Index of Claims



Applicant(s) Application No. CARLESON ET AL.
Art Unit 10/621,720 Examiner 3644 Jordan Lofdahl

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| Α | Appeal   |
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| 0 | Objected |

|             |                                    | L  |              |          |          |              |          | L            |              |          |  |  |  |
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|             |                                    |  |              |          |          |              | _        |              |              | ,        |  |  |  |
| Cla         | <u>im</u>                          | Date   |              |          |          |              |          |              |              |          |  |  |  |
|             | 11) 2<br>3 4<br>5 6                | lu l   | ļ            |          | 1        |              |          |              |              |          |  |  |  |
| ਲ           | 2                                  | 705  |              |          |          |              |          |              |              |          |  |  |  |
| Final       | Ē                                  | 6  |              |          |          |              |          |              |              |          |  |  |  |
| -           | ō                                  | 114  |              |          |          | 1            |          |              | - 1          |          |  |  |  |
|             | _4_                                | <u>ب</u>   |              | _        | _        |              |          |              |              |          |  |  |  |
|             | <u> 11)</u>                        | ٢.   |              |          |          |              |          |              |              | _        |  |  |  |
|             | 2                                  | I I I  |              |          |          |              |          | i            |              | 1        |  |  |  |
|             | 3                                  | П  | 1            |          |          |              |          |              |              |          |  |  |  |
| -           | <u>,</u>                           | 1  |              |          |          |              |          | $\neg$       |              |          |  |  |  |
|             | -                                  | $\mathbf{H}$                                     |              |          |          |              |          | -            |              |          |  |  |  |
|             | 5                                  | Ш  |              |          | _        |              | _        |              |              |          |  |  |  |
|             | 6)                                 |  |              | i        |          |              |          |              |              |          |  |  |  |
|             | 7                                  |  |              |          |          |              |          |              |              |          |  |  |  |
|             | 8                                  |  |              |          |          |              |          |              |              |          |  |  |  |
|             | 9                                  |  |              |          |          |              |          |              | $\neg$       |          |  |  |  |
| $\vdash$    | 10                                 | H  |              |          | _        |              |          | $\vdash$     | $\dashv$     | -        |  |  |  |
| ļ           | 10                                 | Н  |              | -        | _        |              |          |              |              | $\vdash$ |  |  |  |
|             | 11                                 | Ш  |              |          |          |              |          | Ш            |              | $\sqcup$ |  |  |  |
|             | 12                                 | Ш  |              |          |          |              |          |              |              |          |  |  |  |
|             | 13                                 | ļΓ   |              |          |          |              |          |              |              |          |  |  |  |
|             | 10<br>11<br>12<br>13<br>14<br>(13) | ΠŤ   | П            |          |          |              |          |              |              |          |  |  |  |
| $\vdash$    | 44                                 | <del>                                     </del> | $\vdash$     |          |          | <u> </u>     |          | $\vdash$     | H            | $\dashv$ |  |  |  |
|             | ΗÄ                                 | -  | H            | $\vdash$ |          |              | $\vdash$ | Н            |              |          |  |  |  |
|             | 16                                 | -  |              |          |          |              |          |              |              |          |  |  |  |
|             | 17                                 | 17   |              |          |          |              |          |              |              |          |  |  |  |
| 1           | 17<br>18                           | Γ  |              |          |          |              |          |              |              |          |  |  |  |
|             | 19                                 |  |              |          |          |              |          |              |              |          |  |  |  |
| <b></b>     | 20                                 | 1  |              |          | _        |              |          | П            |              |          |  |  |  |
| <del></del> | 20                                 |  |              |          |          |              |          | -            | -            | -1       |  |  |  |
|             | 21                                 | <b></b>  |              | _        |          |              |          | $\vdash$     |              | $\vdash$ |  |  |  |
|             | 22                                 |  |              |          |          |              |          | ļ            | Ш            |          |  |  |  |
|             | 23<br>24<br>25                     | 1  |              |          |          |              |          |              |              |          |  |  |  |
|             | 24                                 |  |              |          |          |              |          |              |              |          |  |  |  |
|             | 25                                 | T  |              |          |          |              |          |              |              |          |  |  |  |
|             | 26                                 | 1  | <del> </del> |          |          |              | -        |              |              | $\vdash$ |  |  |  |
|             | 20                                 | ┼  |              | H        |          | -            | $\vdash$ |              | -            | Н        |  |  |  |
|             | 27                                 | ↓  | <u> </u>     | <u> </u> | <u> </u> |              |          |              |              | ļ        |  |  |  |
|             | 28                                 |  |              | L        |          |              | L        |              |              |          |  |  |  |
|             | 29                                 | 1  |              |          |          | ĺ            |          |              |              |          |  |  |  |
|             | 30                                 |  |              |          |          |              |          |              |              |          |  |  |  |
| <u> </u>    | 31                                 | 1  | 1            |          | $\vdash$ | _            | T        |              |              |          |  |  |  |
| <del></del> | 32                                 | +  | $\vdash$     | $\vdash$ | -        | $\vdash$     |          |              | -            | $\vdash$ |  |  |  |
|             | 32                                 | +  | <b>├</b>     | -        | <u> </u> | $\vdash$     | ├        | <del> </del> | H            |          |  |  |  |
| L           | 33                                 | ↓_   | lacksquare   |          | ldash    | _            | _        | _            | ╙            | <u> </u> |  |  |  |
|             | 33<br>34<br>35                     |  |              |          |          | L_           |          |              | <u> </u>     |          |  |  |  |
|             | 35                                 |  |              |          |          |              |          |              |              |          |  |  |  |
|             | 36                                 | 1  |              |          |          |              |          |              |              |          |  |  |  |
|             | 36<br>37                           |  | 1            | $\vdash$ | _        |              | t        | $\vdash$     |              |          |  |  |  |
| <u> </u>    | 30                                 | +  | $\vdash$     |          | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | <del> </del> | $\vdash$ |  |  |  |
|             | 38                                 | ┼  | ├            | $\vdash$ |          | <u> </u>     | $\vdash$ | $\vdash$     | -            | -        |  |  |  |
|             | 39                                 | 1  | _            | L.       | _        | <u> </u>     | _        | <u> </u>     | <u> </u>     | _        |  |  |  |
|             | 40                                 | L  | L            | L        | L        | L            | L        | L            | L            |          |  |  |  |
|             | 41                                 | Γ  | Г            |          |          |              |          |              |              |          |  |  |  |
|             | 42                                 | T  | f            |          | Т        | Т            |          | İ            |              | Г        |  |  |  |
|             | 43                                 | +  | 1            | ┢        | $\vdash$ | ┢            | $\vdash$ | <del> </del> | +-           |          |  |  |  |
|             |                                    | +  |              | ├—       | -        | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     |          |  |  |  |
|             | 44                                 | 1  | 1            |          |          | <u> </u>     | $\vdash$ | <u> </u>     | $\vdash$     | _        |  |  |  |
| L           | 45                                 | L  | L            | L.       | L.       |              | L        |              | L            | L        |  |  |  |
|             | 46                                 |  | Γ            |          |          |              | Π        | Γ            |              |          |  |  |  |
|             | 47                                 | 1  | 1            |          | $\vdash$ | $\vdash$     | 1        | T            | T            | <b> </b> |  |  |  |
| <b>—</b>    |                                    | +  | +            | $\vdash$ | -        |              | $\vdash$ | ┼            | -            | $\vdash$ |  |  |  |
| <u></u>     | 48                                 | +  | $\vdash$     | 1        | -        | ⊢-           | ┼-       | $\vdash$     | -            | -        |  |  |  |
| L           | 49                                 | _  | 1_           | <u> </u> | L_       | $oxed{oxed}$ | <u> </u> | <u> </u>     | <u> </u>     | ļ        |  |  |  |
| 1           | 50                                 | 1  | 1            | 1        | i -      | 1            | 1        | Ι            | Ι            | 1        |  |  |  |

| laim           |                |              |          |          | [   | ate      | <u> </u> |              |  |  |          | Cla   | iim      |          |          |          | C            | ate      | •        |              |          |          |   | (         |
|----------------|----------------|--------------|----------|----------|---|----------|----------|--------------|--|--|----------|-------|----------|----------|----------|----------|--------------|----------|----------|--------------|----------|----------|---|-----------|
| Orioinal       |                | М            |          |          |   |          |          |              |  |  |          | Final | Original |          |          |          |              |          |          |              |          |          |   | Final     |
| 11             | ) [:           |              |          |          |   |          |          |              |  |  |          |       | 51       |          |          |          |              |          |          |              |          |          |   |           |
| 2              | <u>:  </u>     | П            |          |          |   |          |          |              |  |  | L        |       | 52       |          | $\Box$   | _        |              |          |          |              |          |          |   |           |
| 3              |                | Ц            |          |          |   |          |          |              |  |  |          |       | 53       |          |          |          |              |          |          |              |          |          |   |           |
| 4              |                | Ц            |          |          |   |          |          |              |  |  |          |       | 54       |          |          | $\Box$   |              |          |          |              |          |          |   |           |
| 5              |                | Ц            |          |          |   |          |          |              |  |  | L        |       | 55       | _        | $\Box$   |          | _            |          |          |              |          |          |   |           |
| _ (6           | )              | Ц            |          |          |   |          |          |              |  |  | L        |       | 56       |          |          | _        |              |          |          |              |          | _        |   |           |
|                |                | Ш            | _        | _        |   |          |          |              |  |  | Ļ        |       | 57       |          |          |          |              |          |          |              |          |          |   |           |
| 3              | 3              | Н            | _        | _        |   |          |          |              | <u> </u>   |  | -        |       | 58       |          | _        |          | _            |          |          |              |          | _        |   |           |
| 9              |                | Н            |          | $\dashv$ |   |          |          |              |  |  | -        |       | 59       |          | -        | _        |              |          |          |              | _        |          |   |           |
| 10             |                | $\mathbb{H}$ | _        | _        |   |          |          |              |  |  | .  -     |       | 60       | _        |          |          |              |          |          |              |          | _        |   | <b></b> . |
| 1              | 1              | H            | _        |          |   |          |          |              |  |  |          |       | 61       |          |          | _        |              |          | _        |              | -        |          |   |           |
| 1:             | -              | ₩            |          |          |   |          | -        |              |  |  | -        |       | 62<br>63 | -        |          |          |              |          |          |              |          |          | { | _         |
| 1              | 3              | H            | $\dashv$ | $\dashv$ | _   |          |          | $\vdash$     | -  | _  | ŀ        |       | 64       | -        |          |          |              |          |          | _            |          |          |   |           |
| 1 1            | <del>4</del> + | H            |          |          |   | <u> </u> |          | -            | H  |  |          |       | 65       | _        | -        |          |              |          |          |              |          |          |   | _         |
| +              | <u>*</u>       | 1            | $\dashv$ | $\dashv$ |   | _        | $\vdash$ | $\vdash$     | -  |  | ŀ        |       | 66       |          |          | -        | _            |          |          | -            |          |          |   | _         |
| 1              | 7              | <u>.</u>     | -        | -        |   | -        | -        |              | $\vdash$   | <del></del> -                                |          | •     | 67       |          |          |          |              |          |          |              |          | -        |   |           |
| +              | Ŕ -            | -            |          | _        |   |          |          |              | -  |  |          |       | 68       |          |          |          |              |          |          |              |          |          |   |           |
| 1              |                | 7            |          |          | _   |          |          |              | $\vdash$   |  |          |       | 69       |          |          |          |              |          |          |              |          |          |   |           |
| 12             | ŏ†             |              |          |          |   |          |          |              | <del>                                     </del> |  |          |       | 70       |          |          |          |              |          |          |              |          |          |   |           |
| 2              |                | $\exists$    |          |          |   |          |          |              | 1  |  | it       |       | 71       |          |          |          |              |          | _        |              |          |          | 1 |           |
| 2              | 2              | $\exists$    | $\neg$   |          |   |          |          |              | <u> </u>   |  |          |       | 72       |          |          |          |              |          |          |              |          |          |   |           |
| 2              | 3              |              | $\neg$   |          |   |          |          |              |  |  | ľ        |       | 73       |          |          |          |              |          |          |              |          |          |   |           |
| 2              |                |              |          |          |   |          |          |              |  |  |          |       | 74       |          |          |          |              |          |          |              |          |          |   |           |
| 2              | 5              | ٦            |          |          |   |          |          |              |  |  |          |       | 75       |          |          |          |              |          |          |              |          |          |   |           |
| 2              | 6              |              |          |          |   |          |          |              | П  |  |          |       | 76       |          |          |          |              |          | L_       |              |          |          |   |           |
| 2              | 7              |              |          |          |   |          |          |              |  | L  |          |       | 77       |          |          |          |              |          |          | _            |          |          | ' |           |
| 2              |                |              |          |          |   |          | L        |              |  |  |          |       | 78       |          |          |          |              |          |          |              |          | L        |   |           |
| 2              | 9              | $\Box$       |          |          |   | L        |          |              | <u> </u>   |  |          |       | 79       |          |          |          |              |          | <u> </u> | _            |          |          |   |           |
| 3              |                |              |          |          | $ldsymbol{le}}}}}}$ | <u> </u> | _        |              |  |  |          |       | 80       |          |          |          |              |          |          |              | <u> </u> | ļ        |   |           |
| 3              |                | _            |          |          |   |          |          | <u> </u>     | ļ  | _  |          |       | 81       |          | _        |          |              |          | _        | -            |          |          |   |           |
| 3              | 2              |              |          |          | <b> </b>  |          | ļ        | _            |  |  |          |       | 82       | _        |          |          |              | _        |          | ļ            |          |          | - | <u> </u>  |
| 3              | 3              | _            |          |          |   | <u> </u> |          | <u> </u>     | ⊢  | ļ  |          |       | 83       |          |          |          | ļ            |          |          |              |          |          | - | _         |
| $-\frac{3}{2}$ | 4              | 4            |          |          | <u> </u>  |          |          | -            | ┼  | <del> </del>                                 |          |       | 84       |          | <u> </u> | <u> </u> | <del> </del> | -        | ⊢        |              | -        |          |   |           |
| 3              | 5              |              |          |          |   |          | ļ        | <b>!</b>     | ┢  |  |          |       | 85<br>86 | ⊢        |          |          | -            | -        | ├        | -            | ┢        |          | 1 | <u> </u>  |
| 3              | 7              | $\dashv$     |          | _        | -   |          | ╁        | ⊢            | <del> </del>                                     | -  | <b> </b> |       | 87       | $\vdash$ |          |          | $\vdash$     | $\vdash$ | -        | -            | $\vdash$ |          | 1 |           |
| 13             | 8              | $\dashv$     | _        |          | <del> </del>  |          | ├-       | ├—           | ⊢  | ⊢  | 1        |       | 88       | -        | ├        |          |              |          | ╁        | $\vdash$     | $\vdash$ |          | 1 | $\vdash$  |
| 13             | 9              | ᅱ            |          | _        |   | ╁        | $\vdash$ | $\vdash$     | +-   | -  |          |       | 89       |          | $\vdash$ |          |              |          |          | ├            | $\vdash$ | $\vdash$ | 1 | ┝         |
| 1              | 0              | $\dashv$     | _        |          |   | ┢        | 1        | <del> </del> |  |  | 1        |       | 90       |          | -        |          |              | ┢        | $\vdash$ | $\vdash$     | $\vdash$ | -        | 1 | -         |
|                | 1              |              |          |          |   |          | $\vdash$ | H            | ╁  |  |          |       | 91       |          |          |          |              |          | <u> </u> | <del> </del> | H        | Н        | 1 | 一         |
|                | 2              | ┪            |          | $\vdash$ | $\vdash$  | $\vdash$ | t        | <del> </del> | ļ —  |  |          |       | 92       | -        |          |          |              | _        | $\vdash$ | $\vdash$     | t        | $\vdash$ | 1 | _         |
|                | 3              |              |          |          |   | ┢        | $\vdash$ | <b>†</b>     |  |  | it       |       | 93       |          |          |          |              |          | <b>†</b> | İ            |          |          | 1 |           |
|                | 4              | 7            |          | $\vdash$ | <u> </u>  |          |          |              | T  | 1  | 1 1      |       | 94       |          |          | Г        | T            | Γ        | 1        | Ī            | T        | П        | 1 | Г         |
|                | 5              |              |          |          |   |          | Г        | 1            | T  |  | 1        |       | 95       |          | 1        |          |              |          | 1        | 1            |          | Г        | 1 |           |
|                | 6              |              |          | Γ        |   |          |          |              | 1  | T  | 1        | •     | 96       | <u> </u> |          |          | Γ            |          |          |              |          |          | 1 |           |
|                | 7              |              |          |          |   | $\Box$   | 1        |              | T  | 1  |          |       | 97       |          |          |          |              |          |          |              |          |          |   |           |
| 14             |                |              |          |          |   | T        | T        | 1            | $I^-$  |  | 1        |       | 98       | Ţ        | 1        |          |              |          | Г        | 1            | T .      | 1        | 1 | Г         |
| 4              | 8              |              |          | _        | L   | L        |          | L            |  | <u>.                                    </u> |          |       |          | L        |          |          | _            |          | _        | _            | _        | _        | 4 | -         |
| 4              | 8<br>9<br>0    |              |          |          |   |          |          |              |  |  | 1 1      |       | 99       |          |          |          |              |          |          |              |          |          |   |           |

|             |            | L            |          |              |            |              |  |                                |              |          |  |  |  |
|-------------|------------|--------------|----------|--------------|------------|--------------|--|--------------------------------|--------------|----------|--|--|--|
| Cla         | aim        | Date         |          |              |            |              |  |                                |              |          |  |  |  |
| Final       | Original   |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 101        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 101<br>102 |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 103        |              |          |              |            |              | L  |                                |              | Ш        |  |  |  |
|             | 104        |              |          |              |            |              |  |                                |              | _        |  |  |  |
|             | 105<br>106 |              |          | ├            |            | _            |  |                                | -            | Н        |  |  |  |
|             | 107        |              | _        |              | $\vdash$   |              | $\vdash$   |                                |              |          |  |  |  |
|             | 108        | 1            |          |              |            |              |  |                                | $\vdash$     |          |  |  |  |
|             | 109        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 110        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 111        | ļ            |          |              |            |              |  | _                              |              |          |  |  |  |
|             | 112<br>113 | -            | _        | ├            | _          |              | <u> </u>   |                                |              |          |  |  |  |
|             | 113        | $\vdash$     | -        |              |            |              | <u> </u>   | <u> </u>                       |              |          |  |  |  |
|             | 114<br>115 | ╁─           | ⊢        | ├            |            |              |  |                                | ┢            | Н        |  |  |  |
|             | 116        | $\vdash$     | -        | <del> </del> | $\vdash$   | $\vdash$     | <del>                                     </del> | -                              | $\vdash$     | Н        |  |  |  |
|             | 117        |              |          |              | _          |              |  | ┢                              |              | П        |  |  |  |
|             | 117<br>118 |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 119        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 120        | ļ            | _        | _            | <u>L</u> . | ļ            |  |                                | <u> </u>     |          |  |  |  |
|             | 121        | <b> </b>     |          |              |            | _            | _  | _                              | ļ            |          |  |  |  |
| <u> </u>    | 122<br>123 | 1            |          | ├            | -          |              | ├  | -                              | -            | Н        |  |  |  |
| <u> </u>    | 123        | $\vdash$     | ⊢        | -            | $\vdash$   |              | ├  |                                | -            | H        |  |  |  |
|             | 125        | +-           | ┢        | <u> </u>     | -          | <del> </del> | <del>                                     </del> | H                              | <del> </del> | Н        |  |  |  |
| $\vdash$    | 125<br>126 |              | Т        |              | 1          |              |  |                                |              | $\Box$   |  |  |  |
|             | 127        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 127<br>128 |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 129        |              | <u> </u> | _            | _          | <u> </u>     | <u> </u>   |                                | <u> </u>     |          |  |  |  |
|             | 130<br>131 | ╄            | L        | ـ            | ļ          | ┡            | <u> </u>   |                                | ļ            | -        |  |  |  |
|             | 131        | $\vdash$     | ⊢        | ┢            | ⊢          | ╀            |  |                                | ┢            | Н        |  |  |  |
|             | 133        | -            | $\vdash$ | $\vdash$     | -          | ├            |  |                                |              |          |  |  |  |
| <del></del> | 134        |              | $\vdash$ |              | 1-         | H            |  | <del> </del>                   | $\vdash$     | Н        |  |  |  |
|             | 135        |              | 1        | T            | $\vdash$   | $\vdash$     |  | l -                            | t            | П        |  |  |  |
|             | 136        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 137        | _            | ļ        |              |            |              |  |                                |              |          |  |  |  |
| <u> </u>    | 138        |              | ļ_       | <u> </u>     | <u> </u>   |              |  | _                              | _            | Ш        |  |  |  |
|             | 139        | <del> </del> | 1        | ╄            | _          |              | ├  | ⊢                              | ╄            | Н        |  |  |  |
|             | 140        | ╀            | ╀        | $\vdash$     | -          | $\vdash$     | -  | ┝                              |              | $\vdash$ |  |  |  |
| -           | 141        | ┼            | ╁        | -            | ╁          | ╁            | $\vdash$   | ╁                              | 1            | H        |  |  |  |
| -           | 143        | +            | $t^{-}$  | +-           | $\vdash$   | $\vdash$     | $\vdash$   | +-                             | $\dagger$    | $\vdash$ |  |  |  |
|             | 144        | +            | t        | t            | T          | †            | T  | T                              | 1            | H        |  |  |  |
|             | 145        |              |          | 1            | İ          | İ            |  |                                | L            |          |  |  |  |
|             | 146        |              |          |              |            |              |  |                                |              |          |  |  |  |
|             | 147        | $\perp$      |          | L            | $\perp$    | $\perp$      | $oxed{\Box}$                                     | $oxedsymbol{oxedsymbol{oxed}}$ | L            | $\Box$   |  |  |  |
| <u> </u>    | 148        | -            | ↓_       | $\perp$      | 1          | 1            | <del> </del>                                     | _                              | $\perp$      | $\perp$  |  |  |  |
|             | 149        | 4            | 1        | ╀            | ╄          | <del> </del> |  | $\vdash$                       | $\vdash$     | $\vdash$ |  |  |  |
| L           | 150        |              |          | 1            | L          | 1            |  |                                | 1            | 1        |  |  |  |